SMOOTHFLEXX PU FOOD ANT

Light weight and highly flexible Polyurethane hose, reinforced with a PVC helix and a copper wire for grounding



Applications food production & -conveying, extraction systems, granulate conveying, conveying technology, dosing

Structure Polyether-Polyurethane, uncolored, transparent, plastic spiral / rigid PVC, coated strand / copper strand

Temperature -30°C up to 80°C

Properties good flexibility, good abrasion resistance, corrugated outside, very smooth inside, hydrolysis & microbe resistant, rot proof, weather proof, with copper wire for grounding

Norms certified according to Food EU Directive (EC) No. 1935/2004 & Regulation (EC) No. 10/2011 for A, B, C, D1, D2, E | FDA standard 21 CFR 177.2600 & 178.2010 | manufacturing process according to GMP EC 2023/2006





made in Germany

Inner Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Weight (kg/m)	Length (m)	Article Number
20	0,50	23	1,50	0,25	0,16800	30	9-2100-020-10/998
25	0,50	29	1,50	0,25	0,20000	30	9-2100-025-10/998
30	0,50	35	1,50	0,25	0,22800	30	9-2100-030-10/998
32	0,50	37	1,50	0,20	0,24600	30	9-2100-032-10/998
35	0,50	40	1,50	0,20	0,26200	30	9-2100-035-10/998
38	0,50	44	1,50	0,20	0,29100	30	9-2100-038-10/998
40	0,50	46	1,50	0,20	0,29800	30	9-2100-040-10/998
45	0,50	52	1,50	0,20	0,33500	30	9-2100-045-10/998
51	0,50	59	1,00	0,20	0,36700	30	9-2100-051-10/998
60	0,50	69	1,00	0,16	0,47100	30	9-2100-060-10/998
70	0,60	81	1,00	0,16	0,55700	30	9-2100-070-10/998
76	0,60	87	1,00	0,16	0,60400	30	9-2100-076-10/998
80	0,60	92	1,00	0,16	0,63200	30	9-2100-080-10/998
102	0,60	117	0,80	0,13	0,79300	30	9-2100-102-10/998
110	0,65	127	0,80	0,12	0,84700	30	9-2100-110-10/998
120	0,65	138	0,80	0,10	1,12300	30	9-2100-120-10/998
127	0,65	146	0,80	0,10	1,03400	30	9-2100-127-10/998
140	0,65	161	0,60	0,09	1,28000	30	9-2100-140-10/998
152	0,65	175	0,60	0,08	1,34300	30	9-2100-152-10/998
203	0,75	230	0,40	0,04	2,23100	20	9-2100-203-10/998
254	0,75	288	0,30	0,04	2,73300	20	9-2100-254-10/998

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All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances. Max. operating pressures apply only for short periods. Technical changes and color deviations are subject to change. Other versions are available upon request.
Date: 24.11.2026